

===== Product Identification =====

Product ID:MD 80 K 40 TITANIUM TRITIDE

MSDS Date:03/21/1987

FSC:5985

NIIN:01-009-1434

MSDS Number: BMZYC

=== Responsible Party ===

Company Name:MICRO-DYNAMICS INC

Address:10 SONAR DR

City:WOBURN

State:MA

ZIP:01801-5704

Country:US

Info Phone Num:617-729-9450

Emergency Phone Num:617-729-9450

CAGE:32187

=== Contractor Identification ===

Company Name:MICRO-DYNA

MICS INC

Address:10 SONAR DR

Box:City:WOBURN

State:MA

ZIP:01801-5704

Country:US

Phone:617-729-9450

CAGE:32187

===== Composition/Information on Ingredients =====

Ingred Name:COPPER (SARA III)

CAS:7440-50-8

RTECS #:GL5325000

Other REC Limits:NONE SPECIFIED

OSHA PEL:0.1MG/M3 FUME/1 DUST

ACGIH TLV:0.2MG/M3 FUME; 9192

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingred Name:TITANIUM, METAL

CAS:7440-32-6

RTECS #:XR1700000

Other REC Limits:NONE SPECIFIED

Ingred Name:TRITIUM (TLV 0.0

000020 MICRO CURIES/ML AIR)
Other REC Limits:NONE SPECIFIED

===== Hazards Identification =====

LD50 LC50 Mixture:TLV IS 0.00040 MICRO CI H3/ML AIR
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Health Hazards Acute and Chronic:ACUTE AND CHRONIC- NONE KNOWN.
Effects of Overexposure:NONE KNOWN.
Medical Cond Aggravated by Exposure:NONE KNOWN.

===== First Aid Measures =====

First Aid:CONSULT: 1. YOUR RADIATION OFFI
CER, OR 2. YOUR REGIONAL US
NRC OFFICE, OR 3. YOUR STATE RADIOLOGICAL HEALTH DEPARTMENT.

===== Fire Fighting Measures =====

Extinguishing Media:USE DRY CHEMICAL OR DRY SAND. AVOID USING WATER.
Fire Fighting Procedures:CONSULT IN ADVANCE: 1. YOUR RADIATION OFFICER,
OR 2. YOUR REGIONAL US NRC OFFICE, OR 3. YOUR STATE RADIOLOGICAL
HEALTH DEPARTMENT.
Unusual Fire/Explosion Hazard:AVOID INHALATION OF AIR IN IMMEDIATE
VICINITY OF FIRE.

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===== Accidental Release Measures =====

Spill Release Procedures:IMMEDIATELY CONTACT: 1. YOUR RADIATION
OFFICER, OR 2. YOUR REGIONAL US NRC OFFICE, OR 3. YOUR STATE
RADIOLOGICAL HEALTH DEPARTMENT.

===== Handling and Storage =====

Handling and Storage Precautions:STORAGE AND HANDLING:TAKE CARE THAT
GLASS SEALS ARE NOT BROKEN.
Other Precautions:WEAR NIOSH-APPROVED SELF-CONTAINED BREATHING
APPARATUS IF THE PRODUCT IS INVOLVED IN F
IRE.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:NONE NORMALLY REQUIRED.
Ventilation:MECHANICAL RECOMMENDED
Protective Gloves:RUBBER OR PLASTIC
Eye Protection:NONE NORMALLY REQUIRED.
Other Protective Equipment:NONE
Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND
RECOMMENDED PROCEDURES. DO NOT WEAR CONTAMINATED CLOTHING OR
FOOTWEAR.
Supplemental Safety and Health
MANUFACTURER STATES THAT THE PACKAGE CONFORMS TO THE CONDI

CTIONS AND

LIMITATIONS SPECIFIED IN 49 CFR 173.422 FOR EXCEPTED RADIOACTIVE MATERIAL, INSTRUMENTS AND ARTICLES. GROSS WEIGHT 4 POUNDS.

===== Physical/Chemical Properties =====

HCC:A2

Spec Gravity:4

Solubility in Water:NEGLIGIBLE

Appearance and Odor:GRAY, METALLIC COLOR - ODORLESS

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

MOIST ENVIRONMENTS

Stability Condition to Avoid:TEMPERATURES ABOVE 20

0 DEGREE C (UNLESS

ADEQUATE VENTILATION IS PROVIDED)

Hazardous Decomposition Products:TRITIATED WATER, TRITIUM GAS (T2)

===== Disposal Considerations =====

Waste Disposal Methods:CONTACT: 1. MICRO-DYNAMIC, OR 2. LOW-LEVEL RADIOACTIVE WASTE DISPOSAL BROKER.

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